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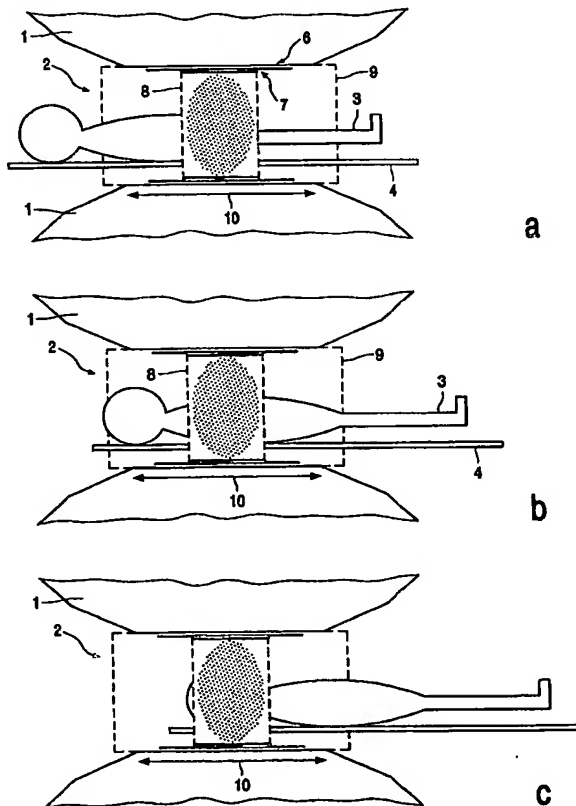
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(54) Title: SUB-SAMPLED MOVING TABLE MRI



(57) Abstract: A magnetic resonance method is described for forming a dynamic image from a plurality of signals of an object moving relative to at least one RF receiving antenna. Imaging is acquired by at least two adjacent fields of view (FOV), which are reconstructed to an image over a region of interest which includes both FOVs. Prior to imaging a sensitivity map of the at least one RF receiving antenna at each position relative to the object is determined for each FOV. Thereafter data from the object to be imaged is sampled for each FOV with a reduced number of phase encoding steps with respect to the full set thereof at a fixed position relative to the main magnetic field. The image is then reconstructed from the subsampled signals, which are weighted with the sensitivity factor of the RF receiving antenna at the respective imaging position.